

Application No. 10/719,332
Response to Final Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) A radiation image radiographing apparatus for mammography which radiographs a patient in an upright position comprising:

a radiation source;

5 a subject platform for supporting a subject so as to face the subject to the radiation source while the patient is in the upright position; and

a plurality of supporting platforms for supporting a radiation image information detecting member for detecting
10 radiation image information based on radiation transmitted through the subject, said plurality of supporting platforms being positioned on an opposite side of the subject platform with respect to the radiation source;

wherein the plurality of supporting platforms are provided
15 at fixed distances from the radiation source, and at least two said supporting platforms are provided at respective different distances from the radiation source;

wherein at least one of the supporting platforms is provided at a position suitable for radiographing an absorption contrast
20 image, and at least another one of the supporting platforms is provided at a position suitable for radiographing a phase contrast image; and

Application No. 10/719,332
Response to Final Office Action

Customer No. 01933

wherein each of the plurality of supporting platforms is
individually movable to be evacuated from a position in which the
25 supporting platform faces the radiation source.

Claims 2 and 3 (Canceled).

4. (Previously Presented) The apparatus of claim 1, further
comprising a controller including a switcher for switching
between radiography modes corresponding respectively to the
plurality of supporting platforms,

5 wherein the controller controls irradiation conditions of
the radiation source in accordance with an output of the
switcher.

5. (Previously Presented) The apparatus of claim 1, wherein
the radiation image information detecting member comprises a
photostimulable phosphor plate.

6. (Previously Presented) The apparatus of claim 1, wherein
the radiation image information detecting member comprises a flat
panel detector.

7. (Original) The apparatus of claim 1, further comprising
an input device for inputting a radiography mode.

Application No. 10/719,332
Response to Final Office Action

Customer No. 01933

8. (Previously Presented) The apparatus of claim 7, wherein the input device comprises a radiation operation panel comprising keys for selecting the radiography mode.

9. (Previously Presented) The apparatus of claim 4, wherein each of the plurality of supporting platforms comprises a sensor for detecting whether the supporting platform comprising the sensor is usable for radiography, and

5 wherein at least when the phase contrast radiography is to be performed, the controller automatically obtains one of the radiography modes as a mode to be used based on an output of each sensor with respect to a status of each of the plurality of supporting platforms.

10. (Previously Presented) The apparatus of claim 4, wherein when a magnified image is radiographed using the phase contrast image radiography, the controller reduces a size of the magnified image back to substantially full scale to be output.

Claims 11 and 12 (Canceled).

13. (Original) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms detachably supports the radiation image information detecting member.

Application No. 10/719,332
Response to Final Office Action

Customer No. 01933

14. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is detachably attached to a body of the radiation image radiographing apparatus.

15. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is swingably mounted on a body of the apparatus.

16. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is retractable.

17. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is mounted on a body of the apparatus to be movable along an irradiation direction of the radiation from the radiation source.

Claim 18 (Canceled).

19. (Previously Presented) The apparatus of claim 15, wherein the at least one of the plurality of supporting platforms comprises a cut portion, and is rotatable such that when the at least one of the plurality of supporting platforms rotates, at
5 least a part of one of the other plurality of supporting

Application No. 10/719,332
Response to Final Office Action

Customer No. 01933

platforms and the subject platform passes through the cut portion.

20. (Previously Presented) The apparatus of claim 15, wherein said at least one supporting platform that is provided at a position suitable for radiographing a phase contrast image comprises at least two of the plurality of supporting platforms.

21. (Previously Presented) The apparatus of claim 15, wherein sizes of the plurality of supporting platforms and the subject platform decrease as distances thereof from the radiation source become shorter.

22. (Previously Presented) The apparatus of claim 15, wherein the radiation image information detecting member supported by a supporting platform located closest to the radiation source among the plurality of supporting platforms is larger than the subject.